

Amendments to the Claims

This listing of claims will replace all prior listings of claims in the application.

Listing of Claims

1. (Currently Amended) In a removable optical device for releasable attachment to a microscope suitable for contact-free observation of an eye with at least one lens, ~~which can be~~ arranged between an objective of the microscope and the eye in the optical axis of the microscope and ~~can be~~ ~~adjusted~~adjustable with a drive device, with which the lens ~~can be adjusted~~is movable along the optical axis of the microscope, the improvement wherein an electric drive motor is arranged in a housing that encloses the drive motor against the surrounding environment in a manner sealed from gases and moisture, the housing having at least one hollow interior chamber lined with a hardened sealing compound and at least one fill opening, through which the sealing compound is capable of being inserted in the housing after the mounting of the drive motor in the housing, wherein said drive motor and said housing are integrated in the removable optical device, which, ~~together with the device, can be detached~~ is detachable from the microscope and ~~sterilized~~for sterilization by a suitable method.

2. (Cancelled)

3. (Currently Amended) The device according to claim 21, wherein the drive movement of the drive motor is transferred to a drive part of a contact-free acting coupling, wherein the drive part of the coupling is arranged together with the drive motor encapsulated in gas- and moisture-sealed manner in the housing, and wherein the drive movement of the

drive part can be transferred in a contact-free manner to an output part of the coupling arranged outside of the encapsulated housing.

4. (Previously presented) The device according to claim 3, wherein the coupling is embodied in the form of a magnetic coupling.

5. (Currently Amended) The device according to claim 21, wherein the housing has a through opening for passage of an electrical cable, which is gas and moisture sealed by ~~means of a sealing means~~ a seal against the surrounding environment.

6. (Currently Amended) The device according to claim 5, wherein the seal comprises a sealing ring ~~is provided as the sealing means, which can be attached with a suitable attachment means~~ that is attached in a sealing gap between the housing and the electrical cable.

7. (Currently Amended) The device according to claim 5, wherein on the an end of the electrical cable, a plug that is suited for sterilization is provided.

8-9. (Cancelled)

10. (Currently Amended) The device according to claim 21, wherein the housing ~~is made from~~ comprises at least two housing parts connected to one another in a gas- and moisture-sealed manner.

11. (Previously presented) The device according to claim 1, wherein an accumulator for network-free energy supply of the drive motor with drive energy is provided on the device.

12. (Currently Amended) The device according to claim 1, wherein a device for wireless data transmission, ~~in particular, an infrared interface,~~ is provided on the device.

13. (Previously presented) The device according to claim 1, wherein the lens together with a holding device provided for attachment of the lens on the device is embodied in the form of a one-way article.

14. (Previously presented) The device according to claim 13, wherein the lens and/or the holding device is made from plastic.

15. (Currently Amended) The device according to claim 1, wherein the lens is embodied in the form of a higher-diffracting, aspherical magnifiers.